Quality of Service Priority and Preemption

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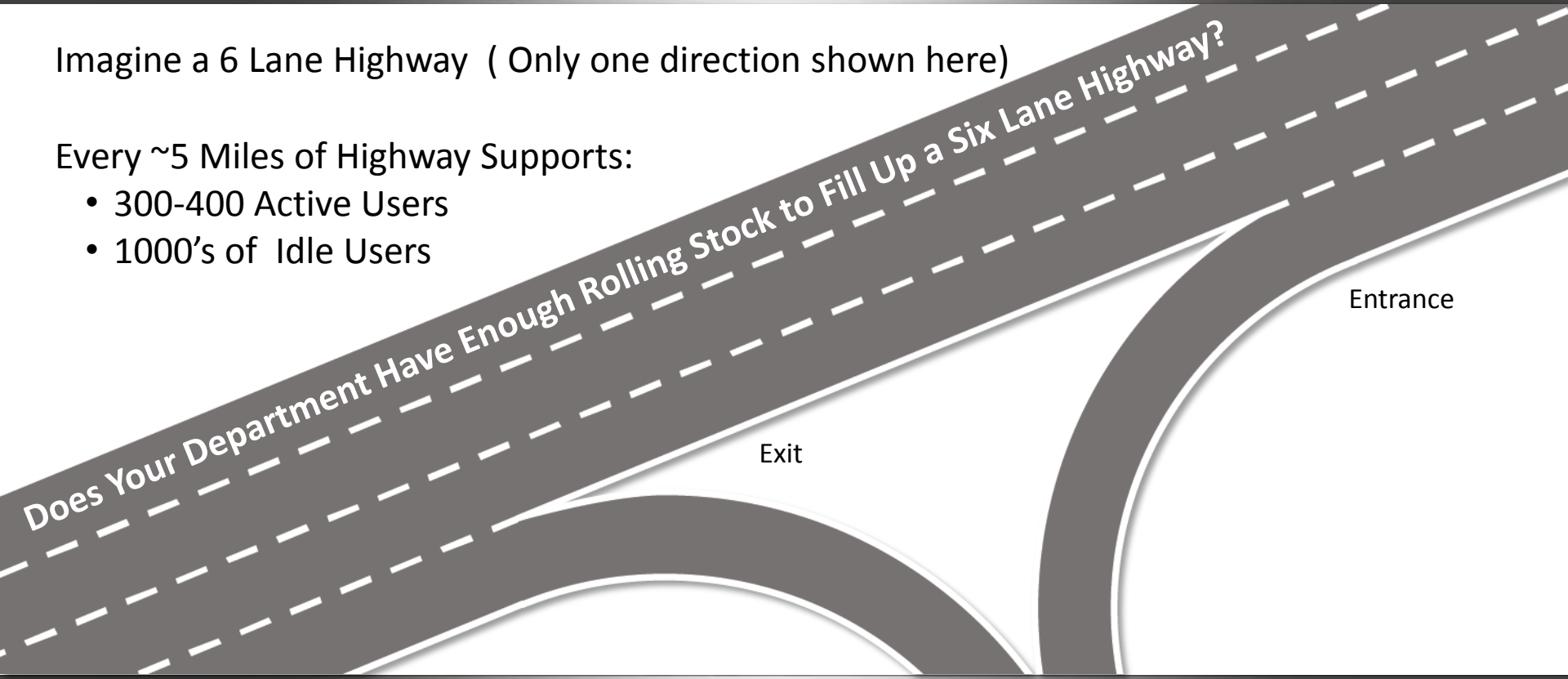
Imagine a 6 Lane Highway (Only one direction shown here)

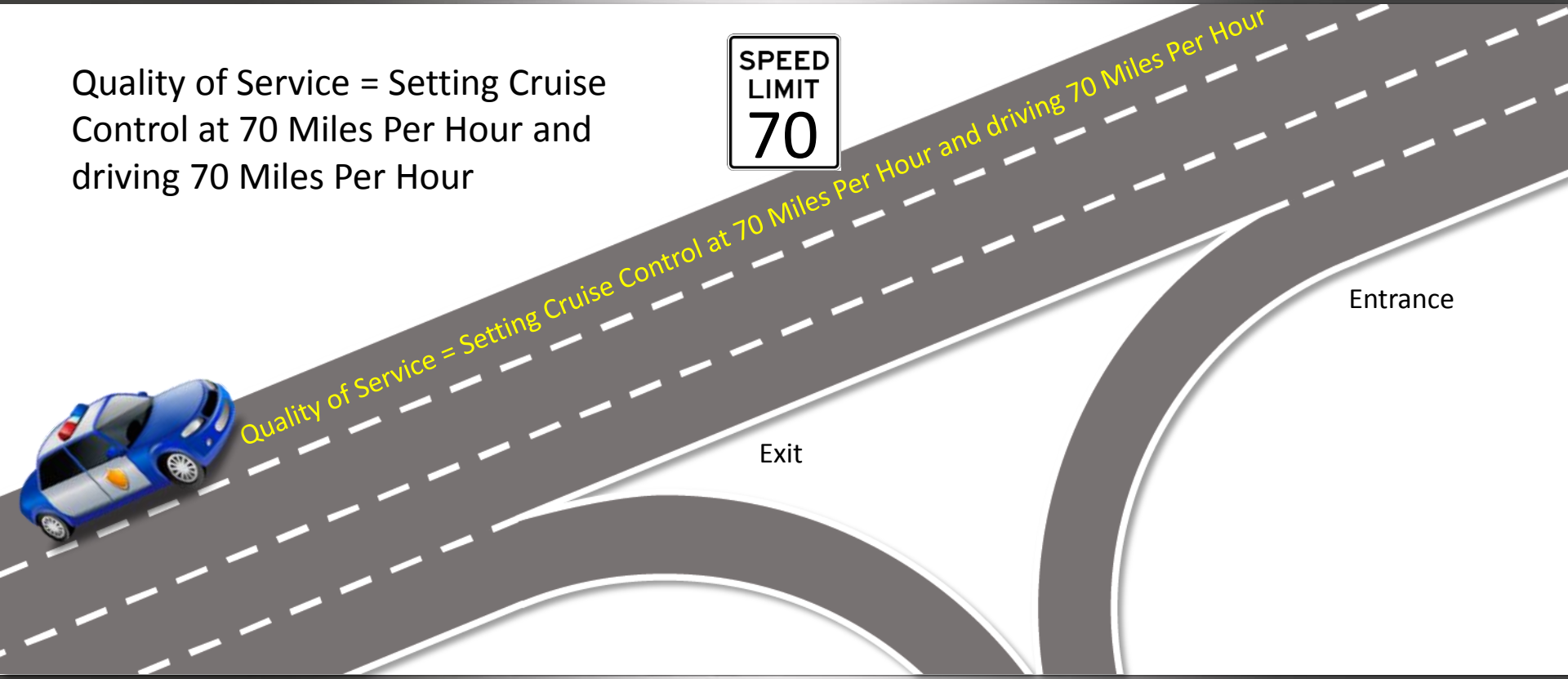
Every ~5 Miles of Highway Supports:

- 300-400 Active Users
- 1000's of Idle Users



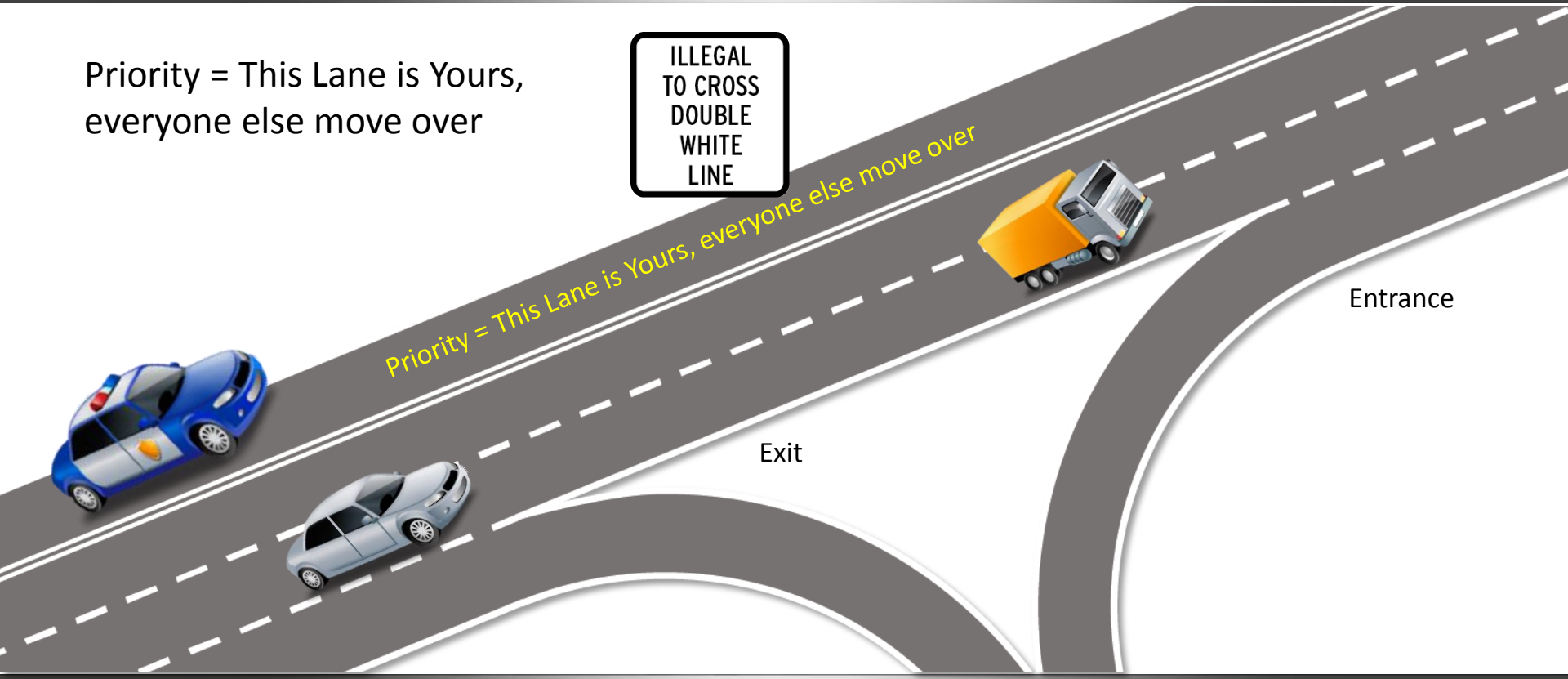
Quality of Service

Quality of Service = Setting Cruise Control at 70 Miles Per Hour and driving 70 Miles Per Hour



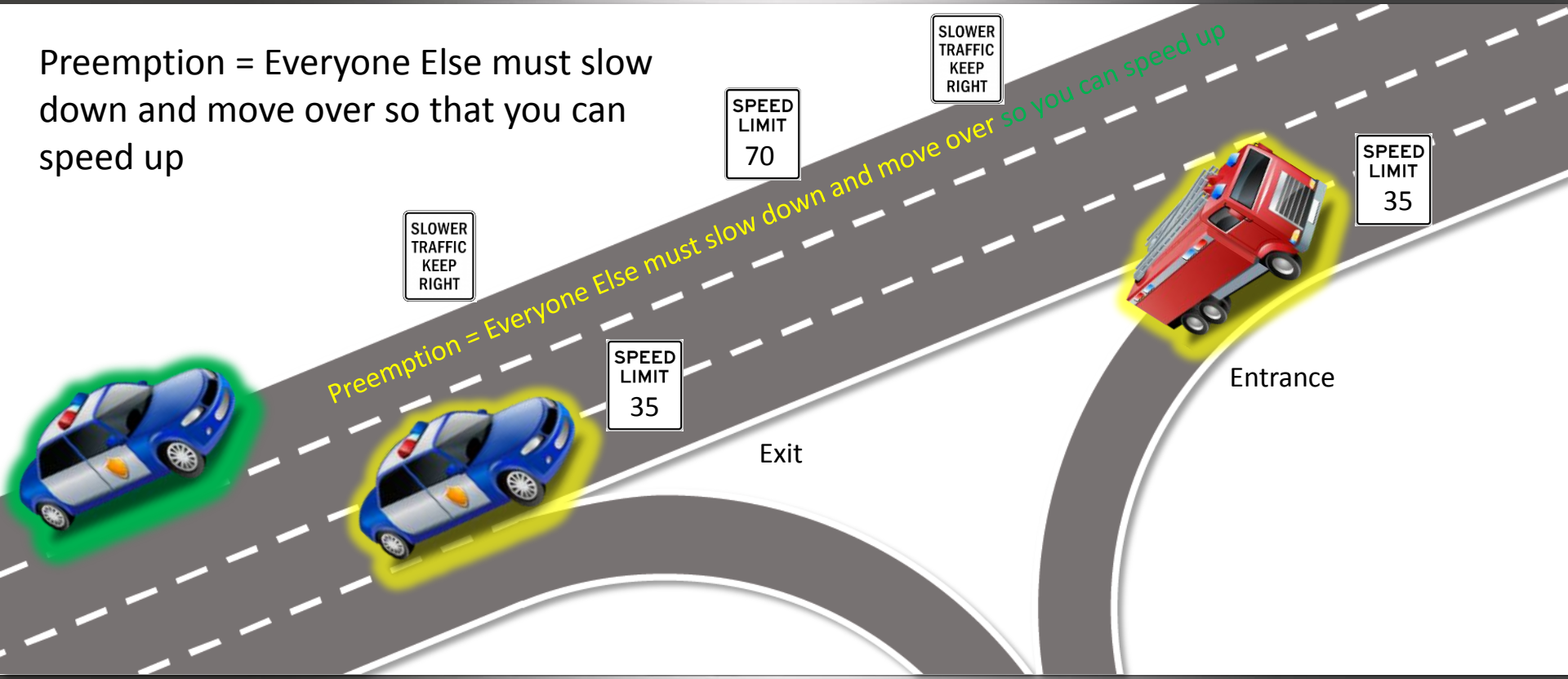
Priority

Priority = This Lane is Yours, everyone else move over



Preemption:
Among First Responders

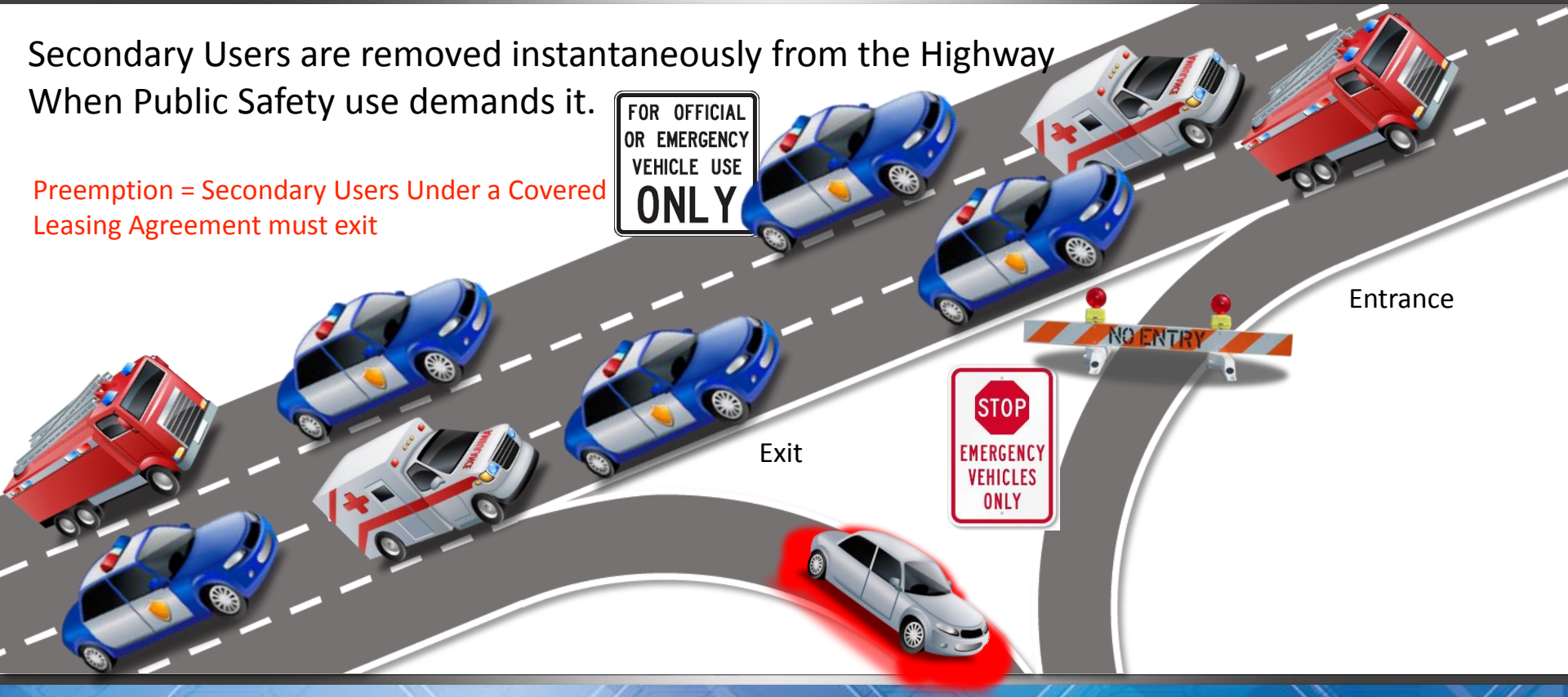
Preemption = Everyone Else must slow down and move over so that you can speed up



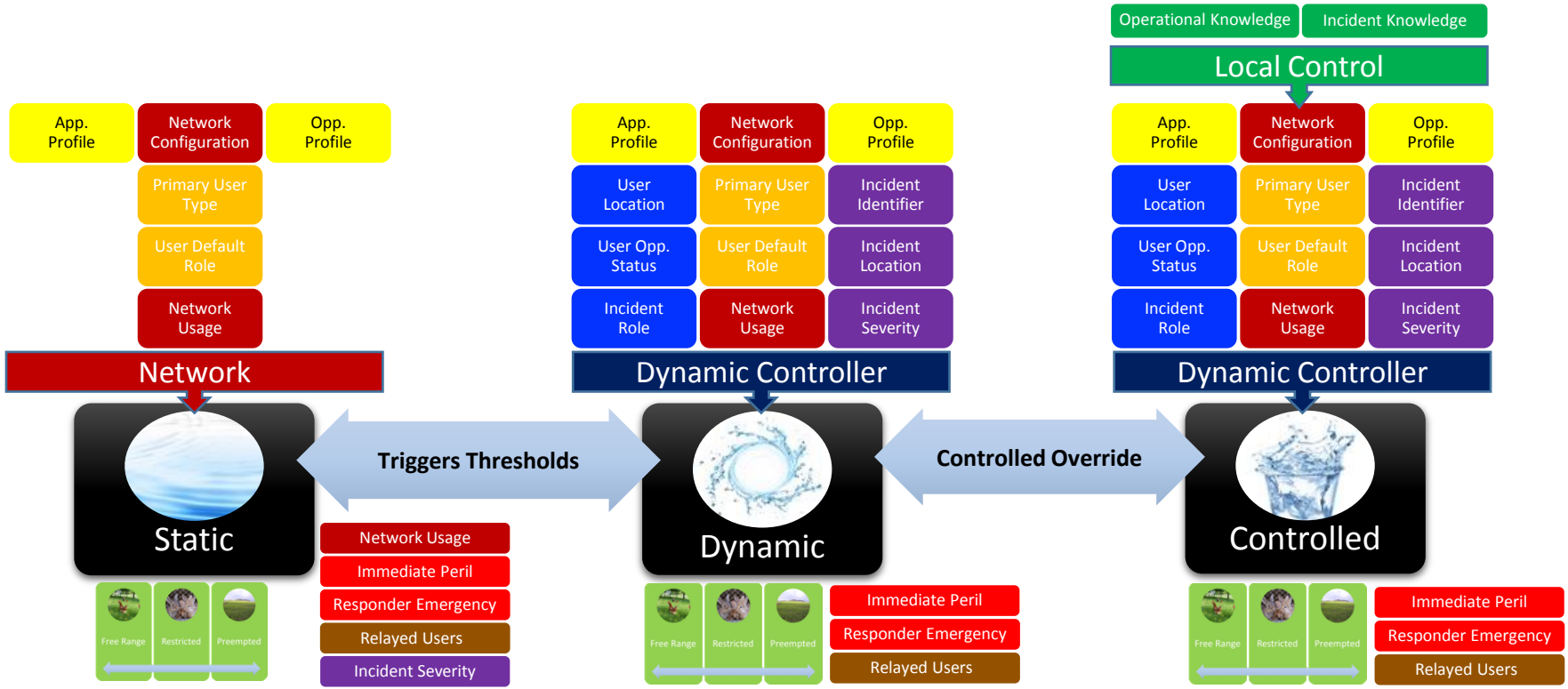
Preemption:
Between Primary Users and Secondary Users Under a CLA

Secondary Users are removed instantaneously from the Highway When Public Safety use demands it.

Preemption = Secondary Users Under a Covered Leasing Agreement must exit



QPP Framework



How Does this Work Together

Public Safety may use **Local Control** to **Influence** the **QPP Framework** which uses **3GPP Standard Functionality** to **Provide Quality of Service Priority and Preemption** on the **NPSBN**

Public Safety

Local Control → QPP Framework → 3GPP Standard Functionality → NPSBN